AMENDMENTS TO THE ABSTRACT:

Please amend the Abstract of the Disclosure on the attached sheet as follows:

PAULI, M. et al.
Appl. No. 10/774,702
July 20, 2007

REPLACEMENT SHEET

ABSTRACT OF THE DISCLOSURE

Channel Estimation in a

Multi Carrier Transmit Diversity System

A method and a stage (60) for estimating channel coefficients in a multi carrier system operating in accordance with a block-code based transmit diversity scheme, in which a data content of a code matrix is multiplexed in a frequency domain are described. The method comprises determining a phase ramp (φ_{est}) in the frequency domain or an equivalent (Δt) thereof in the time domain, the phase ramp (φ_{est}) or the equivalent (Δt) thereof being comprised within a receive signal (Y) after timing synchronization, processing the **receive signal** $(Y_{\Delta t})$ to remove the phase ramp (φ_{est}) or the equivalent (Δt) thereof and estimating the channel coefficients on the basis of the processed receive signal.

(Fig. 11)

6022